

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2009 Levee Inspection Results

Reclamation District No. 2095

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2009 Levee Inspection Results

Reclamation District No. 2095

Waterway		Bank	Unit Miles
Unit No. 01 Paradise Cut		Left	1.50

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/21/2009 - 4/21/2009			
DWR Inspector	Richard Willoughby			
Accompanied By				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000.

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Reclamation District No. 2095

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.50	04/21/2009 04/21/2009	Richard Willoughby

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.35	0.35	Earthen Levee	Encroachments	LS	M	Prunings	37.767798 ° -121.322858 °	37.767798 ° -121.322858 °		936
2	0.73	0.73	Boat Survey	Boat Survey Erosion	WS	U	Inspector Comments: Downstream of WPRR near siphon pipe & pump; sandy levee; visited by Jeff Van Gilder and LRO in 2008 for assessment	37.763630 ° -121.319000 °	° °		934
3	0.86	0.86	Boat Survey	Boat Survey Erosion	WS	U	Inspector Comments: Previous erosion site that is now partially protected with concrete rubble	37.761960 ° -121.318140 °	° °		935
4	0.88	0.88	Earthen Levee	Encroachments	WS	M	Pipe	37.761782 ° -121.317893 °	37.761782 ° -121.317893 °	Y	6
5	1.27	1.27	Earthen Levee	Encroachments	LS	M	Tree or limb	37.759403 ° -121.312347 °	37.759403 ° -121.312347 °		3

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Reclamation District No. 2095

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.50	04/21/2009 04/21/2009	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Water Side
Category	Earthen Levee
Item	Encroachments
LM .88 RD 2095 unit 1 Paradise Cut. Pipe on WS should be removed. Failure to do so may encourage, simply by example, additional equipment to be left on the levee for 'later' removal.	

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**Flood Control Project Maintenance
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Unit Cover Sheet

Spring 2009 Levee Inspection Results

Reclamation District No. 2095

Waterway		Bank	Unit Miles
Unit No. 02 San Joaquin River		Left	3.40

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/29/2009 - 4/29/2009			
DWR Inspector	Richard Willoughby			
Accompanied By				

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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

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Signature of LMA Representative

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2009

Reclamation District No. 2095

Waterway					Bank	Unit Miles	Inspection Start/End		Inspector	
Unit No. 02 San Joaquin River					Left	3.40	04/29/2009 04/29/2009		Richard Willoughby	

LMR Line	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
1	0.06	3.38	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.759127 ° -121.308220 °	37.717328 ° -121.305150 °		938
2	0.06	3.38	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.759125 ° -121.308220 °	37.717328 ° -121.305150 °		939
3	0.08	0.40	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	37.759027 ° -121.307865 °	37.754932 ° -121.305608 °		2
4	0.13	0.13	Boat Survey	Boat Survey Erosion	WS	M	Inspector Comments: Minor sinkhole at edge of crown road; approximately 200 ft of berm	37.758470 ° -121.307150 °	° °		936
5	0.14	0.14	Earthen Levee	Erosion / Bank Caving	WS	M		37.758647 ° -121.306953 °	37.758647 ° -121.306953 °	Y	17
6	0.27	0.31	Earthen Levee	Vegetation	WS	C	Elderberries are blocking visibility and flood fight capability.	37.756723 ° -121.305948 °	37.756247 ° -121.305585 °		5
7	0.51	0.56	Earthen Levee	Vegetation	WS	C	Elderberries are blocking visibility and flood fight capability.	37.753487 ° -121.305403 °	37.752807 ° -121.304960 °		3
8	0.57	0.62	Earthen Levee	Slope Stability	LS	M	Inspector Comments: Minor slope instability due to sandy slope	37.752703 ° -121.304848 °	37.752130 ° -121.304377 °		4
9	0.65	0.65	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	37.751545 ° -121.304308 °	37.751545 ° -121.304308 °		6
10	0.93	1.04	Earthen Levee	Vegetation	WS	C	Elderberries are blocking visibility and flood fight capability.	37.749513 ° -121.300770 °	37.749440 ° -121.298938 °		7
11	0.94	0.94	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	37.749592 ° -121.300582 °	37.749592 ° -121.300582 °		8
12	0.98	0.98	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	37.749737 ° -121.300002 °	37.749737 ° -121.300002 °		940
13	1.01	1.01	Earthen Levee	Vegetation	WS	U	Elderberries are blocking visibility and flood fight capability.	37.749650 ° -121.299362 °	37.749650 ° -121.299362 °		941
14	1.03	1.03	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	37.749557 ° -121.299053 °	37.749557 ° -121.299053 °		942
15	1.04	1.42	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	37.749247 ° -121.298847 °	37.744168 ° -121.298098 °		9
16	1.24	1.29	Earthen Levee	Vegetation	WS	C	Elderberries are blocking visibility and flood fight capability.	37.746462 ° -121.298780 °	37.745868 ° -121.298207 °		10

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Reclamation District No. 2095

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 02 San Joaquin River						Left	3.40	04/29/2009 04/29/2009	Richard Willoughby	

LMR Line	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Photo	Issue
	Start	End						Start	End		
17	1.54	1.54	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	37.742828 ° -121.297532 °	37.742828 ° -121.297532 °		12
18	1.59	1.59	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	37.742295 ° -121.297083 °	37.742295 ° -121.297083 °		13
19	1.81	1.81	Earthen Levee	Erosion / Bank Caving	LS	M	Schedule repair of erosion site prior to the next inspection.	37.739710 ° -121.297943 °	37.739710 ° -121.297943 °	Y	18
20	1.85	1.89	Boat Survey	Boat Survey Erosion	WS	U	Inspector Comments: Just upstream of where berm begins	37.738880 ° -121.298260 °	° °		937
21	2.04	2.04	Earthen Levee	Erosion / Bank Caving	LS	M	Note and monitor erosion site.	37.736543 ° -121.298192 °	37.736543 ° -121.298192 °		16
22	2.04	2.04	Earthen Levee	Vegetation	LS	C	Elderberries are blocking visibility and flood fight capability.	37.736543 ° -121.298192 °	37.736543 ° -121.298192 °		15
23	2.13	2.13	Earthen Levee	Encroachments	LS	M	Prunings	37.735273 ° -121.297855 °	37.735273 ° -121.297855 °		943
24	2.14	2.27	Earthen Levee	Erosion / Bank Caving	LS	M	Note and monitor erosion site.	37.735113 ° -121.297733 °	37.733210 ° -121.297253 °	Y	19

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Unit No. 02 San Joaquin River	Left	3.40	04/29/2009 04/29/2009	Richard Willoughby

Levee Mile Report Line	5
Start Levee Mile	0.14
End Levee Mile	0.14
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

RD 2095 unit2. WS bank caving at LM 0.14.



Levee Mile Report Line	19
Start Levee Mile	1.81
End Levee Mile	1.81
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

RD 2095 unit2. LS caving, quite large. Should be repaired ASAP. Possible threat especially during any flood fight attempt in this area.



Levee Mile Report Line	19
Start Levee Mile	1.81
End Levee Mile	1.81
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Another view.



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Unit No. 02 San Joaquin River	Left	3.40	04/29/2009 04/29/2009	Richard Willoughby

Levee Mile Report Line	19
Start Levee Mile	1.81
End Levee Mile	1.81
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking upstream at erosion on landside shoulder and slope.



Levee Mile Report Line	19
Start Levee Mile	1.81
End Levee Mile	1.81
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Looking at erosion from landside toe.



Levee Mile Report Line	24
Start Levee Mile	2.14
End Levee Mile	2.27
Location	Land Side
Category	Earthen Levee
Item	Erosion / Bank Caving

Rd 2095 unit 2. LS erosion and bank caving.



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